Release B CDR RID Report

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Section **Page** **Figure Table**

Category Name Ingest (INS) Design **Actionee** ECS

Sub Category

Subject Ingest preprocessing using self-contained executables

Description of Problem or Suggestion:

A lot of ingest preprocessing is most efficiently implemented and debugged using self-contained executables (such as Perl scripts or FORTRAN programs). This is especially so because of the skill mix of Data Specialists, the most likely implementors due to their familiarity with the data.

Originator's Recommendation

Provide a preprocessing class that essentially drives a self-contained executable for metadata and/or science data preprocessing. Also provide a means for specifying said executable in the appropriate template file.

GSFC Response by: **GSFC Response Date**

HAIS Response by: C. Gire **HAIS Schedule**

HAIS R. E. C. Gire **HAIS Response Date** 7/10/96

There is no explicit requirement to support self-contained executables/scripts. The ECS requirements (SDPS0025, DADS0780) to accept new software (data transformations, reformatting, conversions) from users is satisfied by requiring such software to be implemented as C++ subclasses to existing ECS object classes (i.e., the hooks are already in place to support new user methods).

However, we have verified the feasibility of the proposed "self-contained executables" approach. A generic subclass that allows invocation of standalone executables or PERL or other scripts may be implemented at additional cost. Note: self-contained executables/scripts will require separate error-handling outside the ECS event handling environment unless ECS mechanisms are integrated. In addition, specific standards for output information would be required.

Status **Closed** **Date Closed** **2/21/97** **Sponsor** **Kobler**

****** **Attachment if any** ******

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